

AMENDMENT AND RESPONSE UNDER 37 CFR § 1.111

Serial Number: 10/009.036

Filing Date: September 30, 2002

Title: Cell Therapy for Chronic Stroke

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CENTRAL FAX CENTERIN THE CLAIMS

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Please amend the claims as follows:

Following is a complete set of claims with deletions shown with strike-throughs and additions shown by underlining:

1. (Presently Amended) A method of treating stroke in a human patient who has undergone a stroke at least three hours earlier, said method comprising delivering at least 2 million viable hNT neuronal cells to a plurality of at least one brain area sites involved in the stroke whether ~~hemorrhagic or ischemic~~.
2. (Previously Amended) The method of claim 1 further comprising the step of using a twist drill or a burr to provide entry through the skull through which the cells can be delivered into the brain.
3. (Canceled)
4. (Original) The method of claim 1 wherein the stroke has taken place at least three months earlier.

Claims 5-6 (canceled)

7. (Presently Amended) A method of improving speech in a person who has experienced brain damage due to a stroke which interferes with speech, said method comprising injecting a sterile composition of at least 2 million hNT a sufficient number of neuronal cells into a plurality of damaged brain area sites.
8. (Canceled)
9. (Canceled)
10. (Presently Amended) A method of improving motor performance in a person who has experienced brain damage due to a stroke which interferes with movement, said method comprising injecting a sterile composition of at least 2 million hNT a sufficient number of neuronal cells to a plurality of the damaged area sites of the brain.
11. (Canceled)
12. (Presently Amended) The method of claim 10, wherein the injected hNT neuronal cells

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are a sterile composition of hNT human neuronal cells or neural stem cells.

13. (Presently Amended) A method of improving cognition in a person who has experienced stroke-induced brain damage which interferes with cognition, said method comprising delivering a sterile composition of at least 2 million hNT a sufficient number of neuronal cells or neural stem cells to the damaged area into a plurality of sites of the brain.

14. (Presently Amended) A method of improving sensory function in a person who has experienced stroke-induced brain damage which interferes with sensation, said method comprising delivering a sterile composition of at least 2 million hNT a sufficient number of neuronal cells or neural stem cells to the damaged area a plurality of sites of the central nervous system or to the cerebral spinal fluid.

15. (Presently Amended) A method of improving sensory, motor or cognitive function in a person who has experienced brain damage due to a hemorrhage or thrombotic stroke which interferes with those functions, said method comprising delivering a sterile composition of at least 2 million hNT a sufficient number of neuronal cells or neural stem cells into a plurality of locations location from which the hNT neuronal cells migrate to the damaged area.

16. (Previously Amended) The method of claim 14, comprising delivering the composition into the cisternae.

17. (Presently amended) A method of replacing in an individual's a human's nervous system nerves lost to a stroke neurodegenerative disease, trauma, ischemia or poisoning, the method comprising administering to the individual human a sterile composition of at least 2 million hNT a sufficient number of neuronal cells to a plurality of sites in the brain.

18. (Canceled)

19. (Presently Amended) The method of claim 15 wherein the cells concomitantly administered with the are selected from the group consisting of hNT neuronal cells are neural stem cells, HCN-1 cells, fetal non-human mammalian cells, neural crest cells or a combination thereof.